FIGURE 1

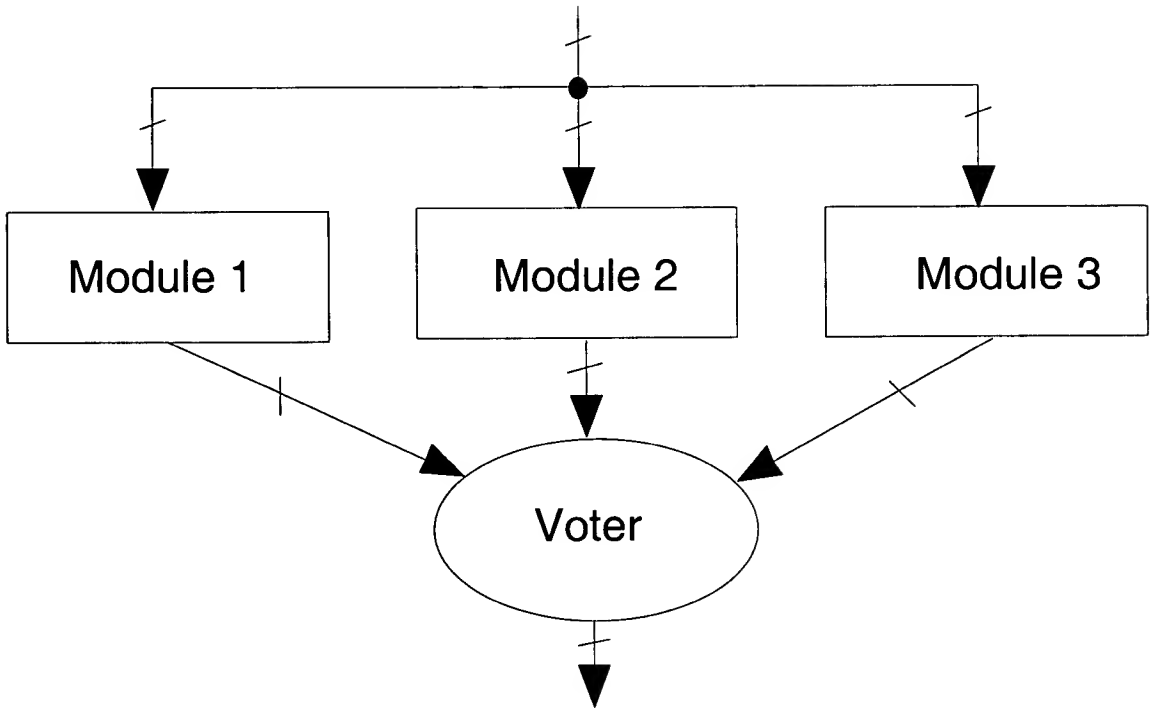


FIGURE 2

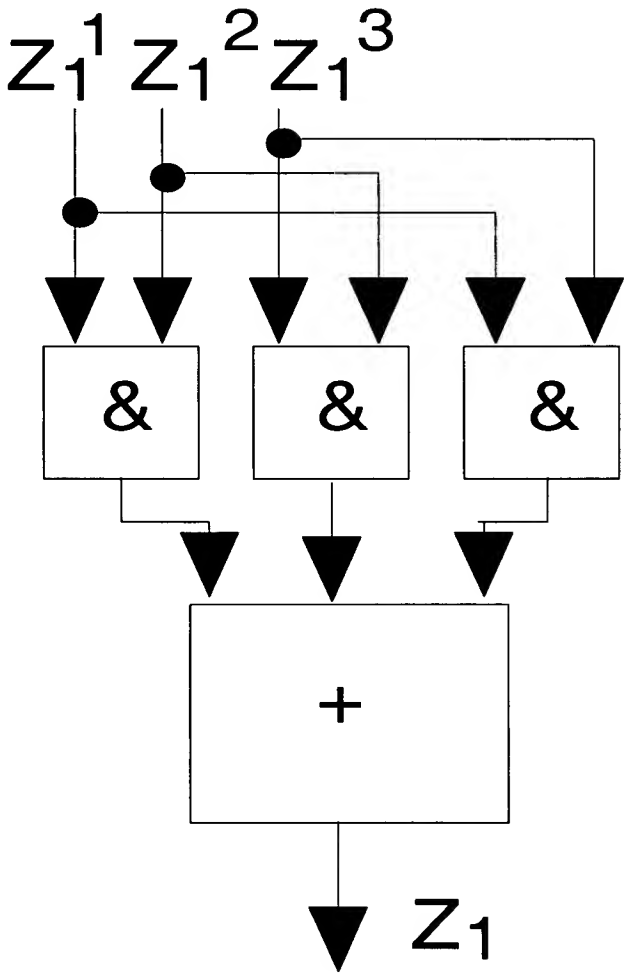
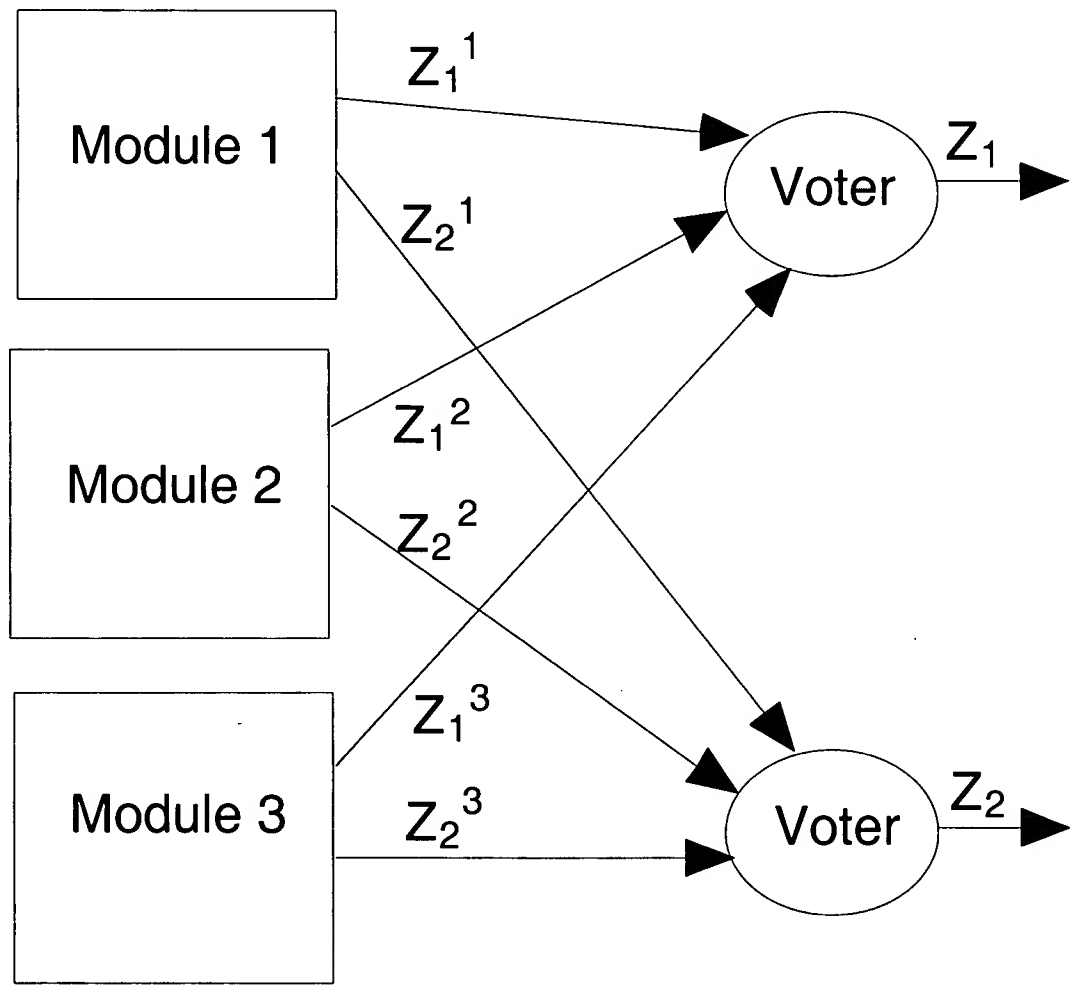


FIGURE 3


Module 1
Module 2
Module 3
Z_1^1
Z_2^1
Z_1^2
Z_2^2
Z_1^3
Z_2^3
Voter
Voter
Z_1
Z_2

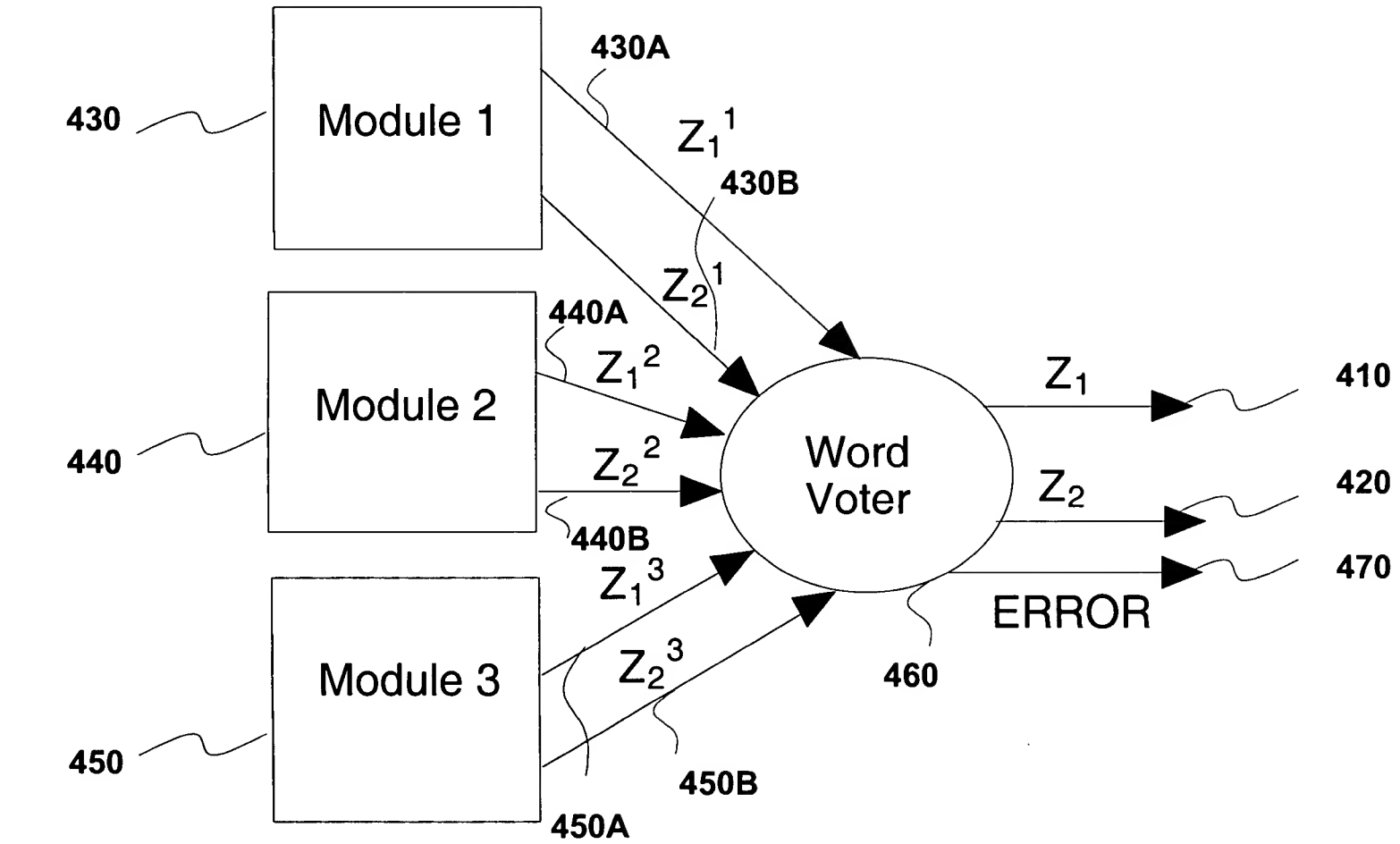
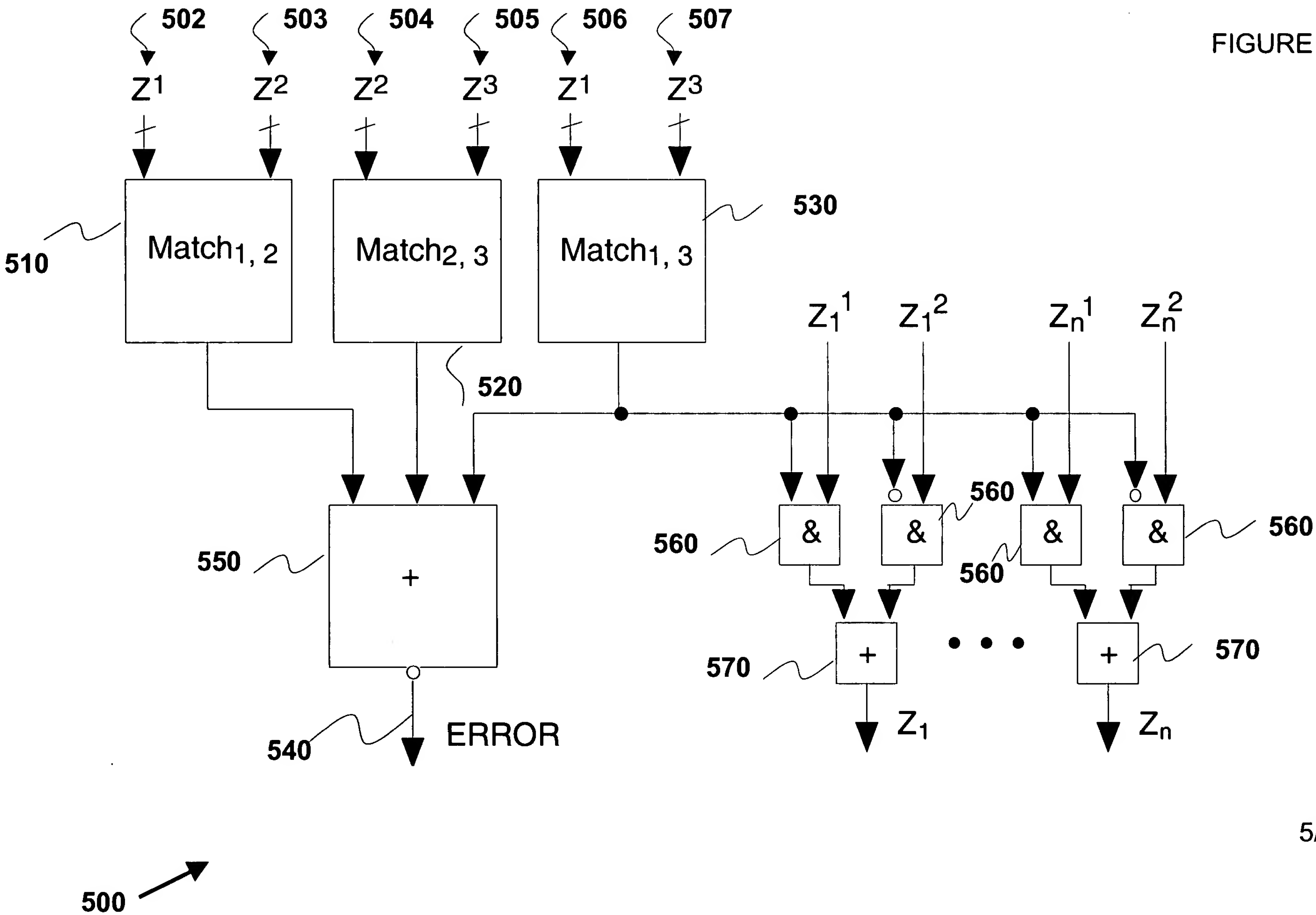

Module 1
Module 2
Module 3
Word Voter
430
430A
430B
440
440A
440B
450
450A
450B
460
410
420
470
Z_1^1
Z_2^1
Z_1^2
Z_2^2
Z_1^3
Z_2^3
Z_1
Z_2
ERROR
400

FIGURE 5



502
503
504
505
506
507
Z1
Z2
Z2
Z3
Z1
Z3
Match1, 2
Match2, 3
Match1, 3
510
520
530
550
+
540
ERROR
Z11
Z12
Zn1
Zn2
&
&
&
&
560
560
560
560
570
570
+
+
Z1
Zn
500

FIGURE 6

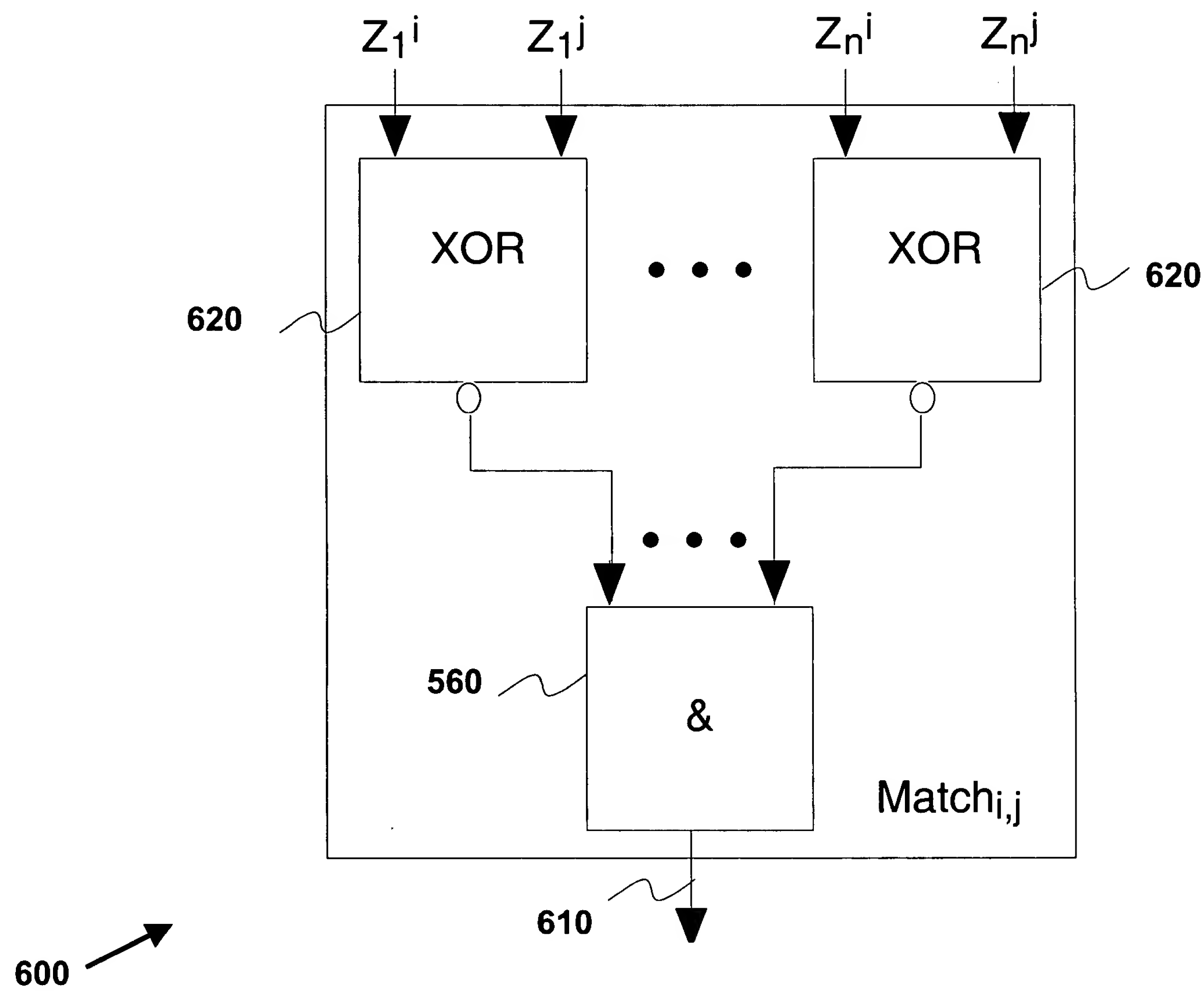


FIGURE 7

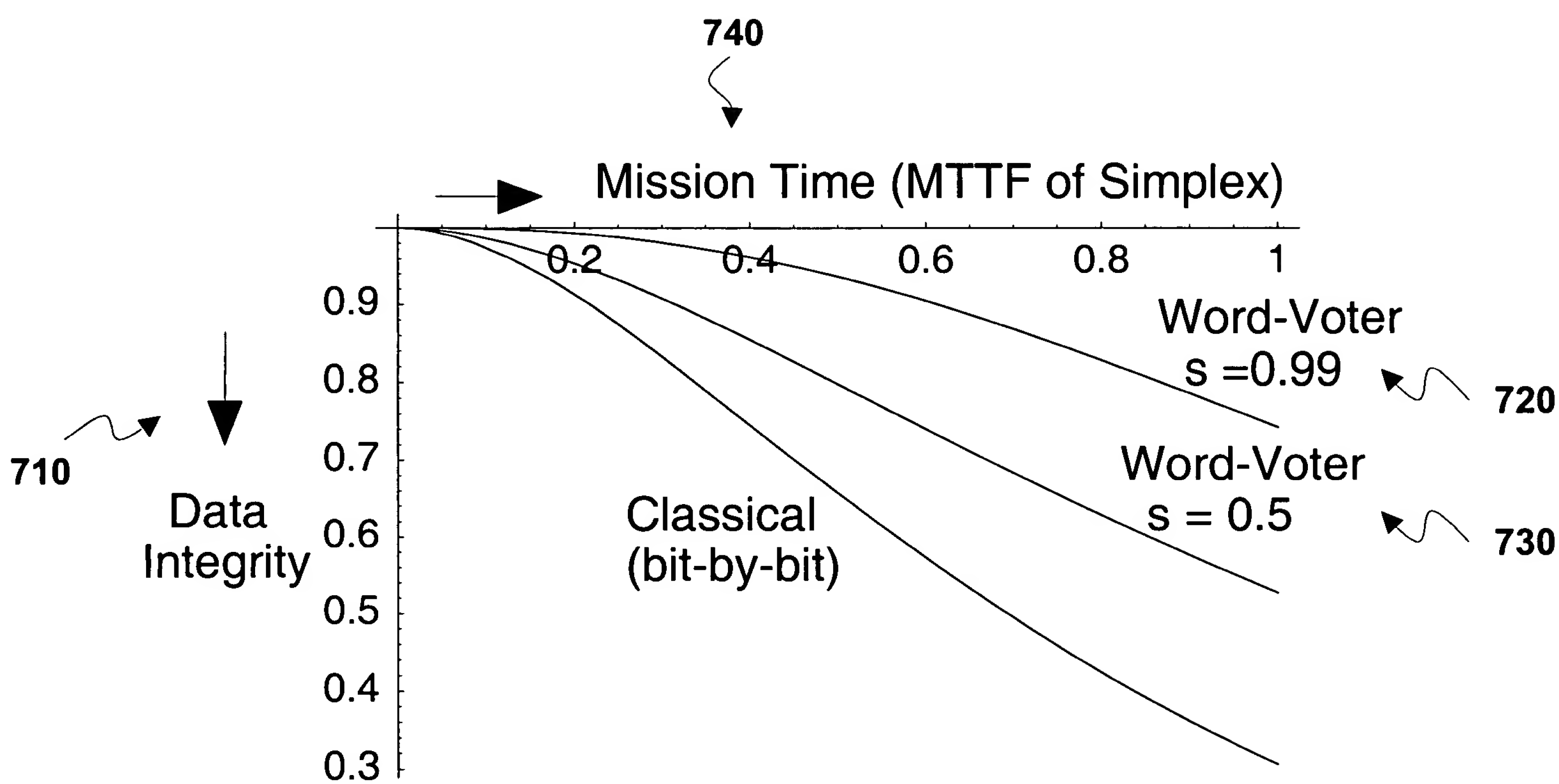
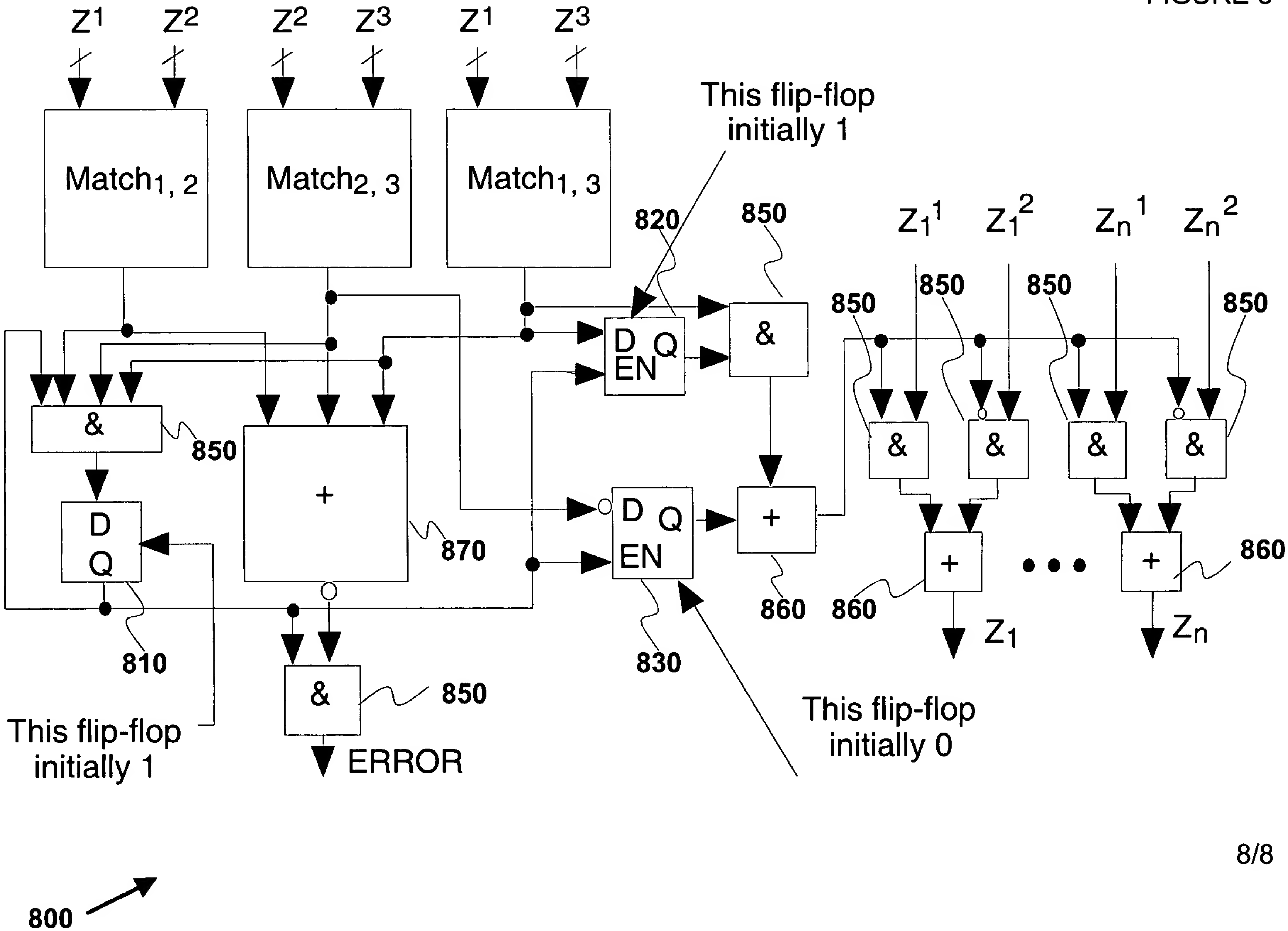


FIGURE 8


Z1
Z2
Z2
Z3
Z1
Z3
Match1, 2
Match2, 3
Match1, 3
This flip-flop
initially 1
820
850
Z1 1
Z1 2
Zn 1
Zn 2
850
850
850
850
D
Q
EN
&
&
850
+
D
Q
870
D
Q
EN
+
&
&
&
&
+
+
860
810
830
860
860
&
850
Z1
Zn
This flip-flop
initially 1
ERROR
This flip-flop
initially 0
800